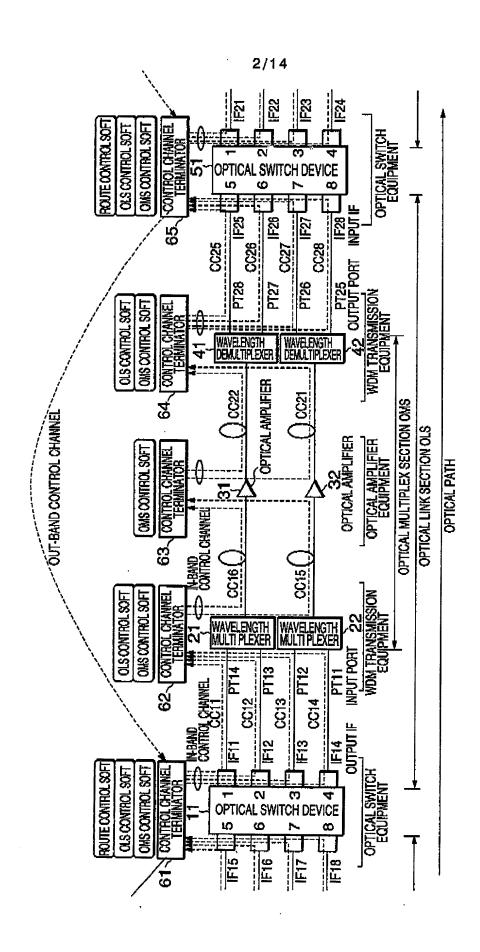


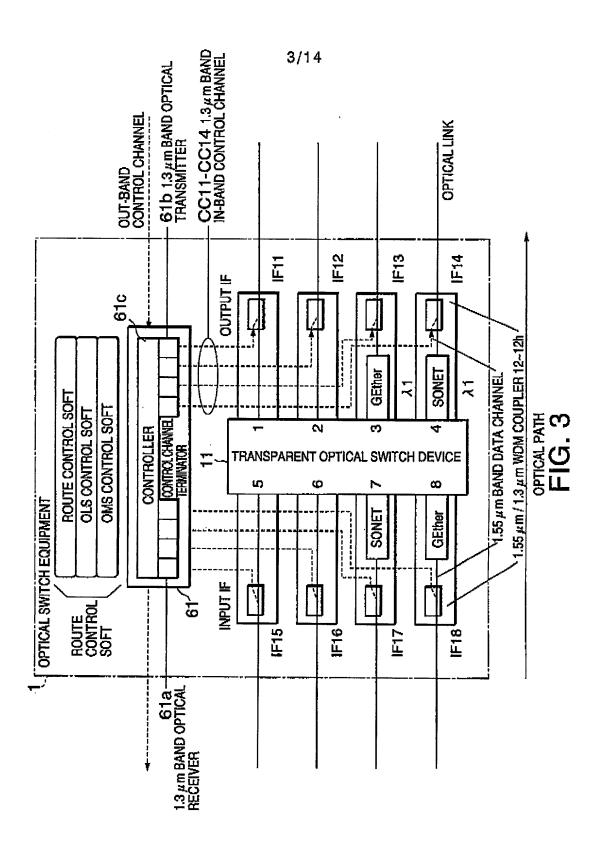
PRIOR ART FIG.

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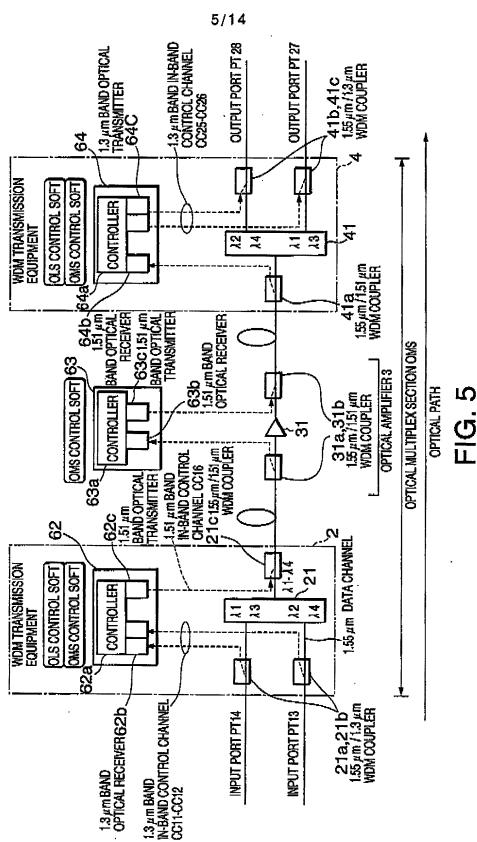
ATTRIBUTEITEMS	IF11	IF12	IF13	IF14
OUTPUT OPTICAL SWITCH NO.	1	1	1	-
OUTPUT IF NO.	1	2	3	4
WAVELENGTH	Arbitrary	ARBITRARY	۸1 .	٦1
SIGNAL RATE	ARBITRARY	ARBITRARY	1Gbit/s	2.5Gbit/s
SIGNAL FORMAT	ARBITRARY	ARBITRARY	GEther	SONET

# FIG. 4A

 GEther	SONET	ARBITRARY	ARBITRARY	SIGNAL FORMAT
1Gbit/s	2.5Gbit/s	ARBITRARY	ARBITRARY	SIGNAL RATE
 Arbitrary	ARBITHARY	ARBITRARY	ARBITRARY	WAVELENGTH
 8	Ĺ	5	5	INPUT IF NO.
 ß	īO	3	9	INPUT OPTICAL SWITCH NO.
IF28	1F27	IF26	IF25	ATTRIBUTE ITEMS

FIG. 4B

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<10 Gbit/s

< 10 Gbit/s

<40 Gbit/s

<40 Gbit/s

SIGNAL RATE

11,13

12,14

7

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WAVELENGTH

PT14

PT13

PT12

PT11

ATTRIBUTE ITEMS

ARBITRARY

ARBITRARY

ARBITRARY

ARBITHARY

SIGNAL FORMAT

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OMS GROUP NO.

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ATTRIBUTE ITEMS	PT25	PT26	PT27	PT28
WAVELENGTH	۸1	72	۸1, ۸3	12,14
SIGNAL RATE	<40 Gbit/s	<40 Gbit/s	<10 Gbit/s	<10 Gbit/s
SIGNAL FORMAT	ARBITRARY	ARBITRARY	ARBITRARY	ARBITRARY
OMS GROUP NO.	2	2	<b>,</b>	1

FIG. 6B

### CC11 IF11→PT14 ATTRIBUTE ITEMS

FIG. 7A

OUTPUT OPTICAL SWITCH NO.	1
OUTPUT IF NO.	1
WAVELENGTH	ARBITRARY
SIGNAL RATE	ARBITRARY
ŞIGNAL FORMAT	ARBITRARY

CC12 IF12→PT13 ATTRIBUTE ITEMS

FIG. 7B

OUTPUT OPTICAL SWITCH NO.	1
OUTPUT IF NO.	2
WAVELENGTH	ARBITRARY
SIGNAL RATE	ARBITRARY
SIGNAL FORMAT	ARBITRARY

CC13 IF13→PT12 ATTRIBUTE ITEMS

FIG. 7C

OUTPUT OPTICAL SWITCH NO.	1
. OUTPUT IF NO.	3
WAVELENGTH	λ1
SIGNAL RATE	1 Gbit/s
SIGNAL FORMAT	GEther

CC14 IF14→PT11 ATTRIBUTE ITEMS

FIG. 7D

OUTPUT OPTICAL SWITCH NO.	1
OUTPUT IF NO.	4
WAVELENGTH	λ1
SIGNAL RATE	2.5 Gbit/s
SIGNAL FORMAT	SONET

4:

## CC16,22 PT14, 13→PT27,28 ATTRIBUTE ITEMS

OUTPUT OPTICAL SWITCH NO.	1	1
OUTPUT IF NO.	1	2
WAVELENGTH	λ1,λ3	λ2,λ4
SIGNAL RATE	≤10 Gbit/s	≤10 Gbit/s
SIGNAL FORMAT	ARBITRARY	ARBITRARY
OMS GROUP NO.	1	1

# FIG. 8A

## CC15,21 PT12, 11→PT25,26 ATTRIBUTE ITEMS

OUTPUT OPTICAL SWITCH NO.	1	1
OUTPUT IF NO.	3	4
WAVELENGTH	λ1	ERROR
SIGNAL RATE	1 Gbit/s	2.5Gbit/s
SIGNAL FORMAT	GEther	SONET
OMS GROUP NO.	2	2

FIG. 8B

CC26 PT27→IF26 ATTRIBUTE ITEMS

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OUTPUT OPTICAL SWITCH NO.	1
OUTPUT IF NO.	1
WAVELENGTH	λ1,λ3
SIGNAL RATE	_≤1 0Gbit/s
SIGNAL FORMAT	ARBITRARY
OMS GROUP NO.	1

CC25 PT28→IF25 ATTRIBUTE ITEMS

FIG. 9B

OUTPUT OPTICAL SWITCH NO.	1
OUTPUT IF NO.	2
WAVELENGTH	λ2, λ4
SIGNAL RATE	_≤1 0Gbit/s
SIGNAL FORMAT	ARBITRARY
OMS GROUP NO.	1

CC28 PT25→IF28 ATTRIBUTE ITEMS

FIG. 9C

OUTPUT OPTICAL SWITCH NO.	1
OUTPUT IF NO.	3
WAVELENGTH	λ1
SIGNAL RATE	<u>&lt;</u> 1 Gbit/s
SIGNAL FORMAT	GEther
OMS GROUP NO.	2

CC27 PT26→IF27 ATTRIBUTE ITEMS

FIG. 9D

OUTPUT OPTICAL SWITCH NO.	1
OUTPUT IF NO.	4
WAVELENGTH	ERROR
SIGNAL RATE	2.5Gbit/s
SIGNAL FORMAT	SONET

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ATTRIBUTE ITEMS

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OUTPUT OPTICAL SWITCH NO.	1	-	-	<b>,</b>
OUTPUT IF NO.	ļ	2	3	4
WAVELENGTH	11, 13	12,14	۸1	ERROR
SIGNAL RATE	S/IIQ 01>	≤10 Gbit/s	10 Gbit/s	2.5 Gbit/s
SIGNAL FORMAT	ARBITRARY	ARBITRARY	GEther	SONET
OMS GROUP NO.	<b>,</b>	<b>,</b>	2	2
INPUT OPTICAL SWITCH NO.	·S	5	5	2
INPUT IF NO.	9	2	8	<i>L</i>

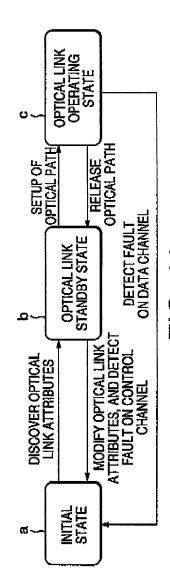


FIG. 11

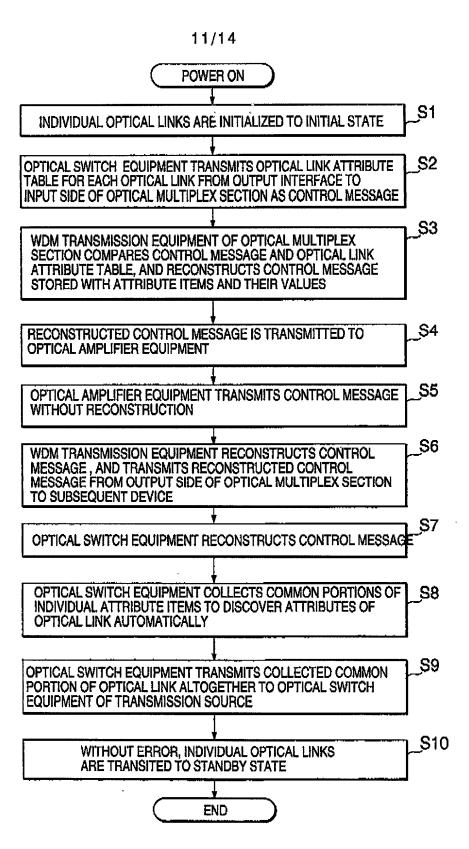


FIG. 12

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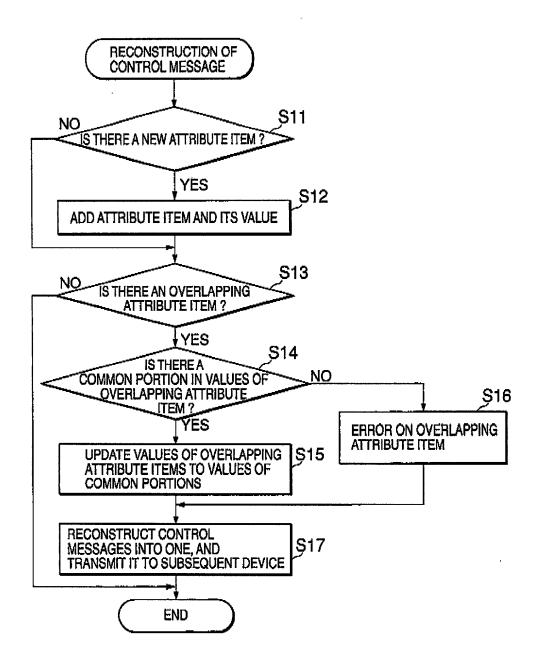


FIG. 13

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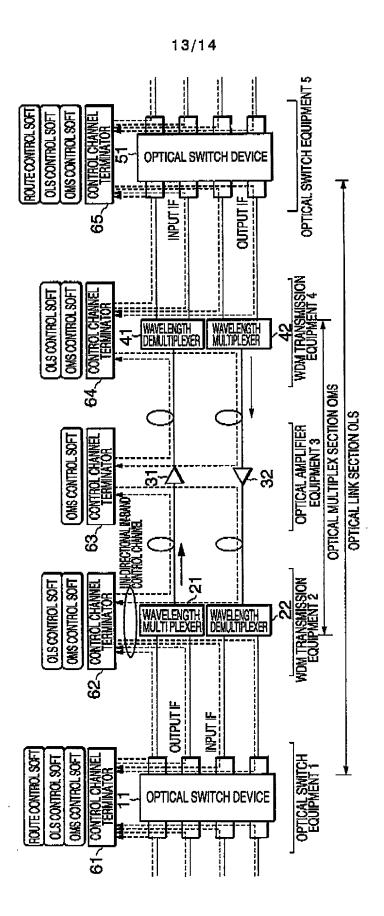


FIG. 14

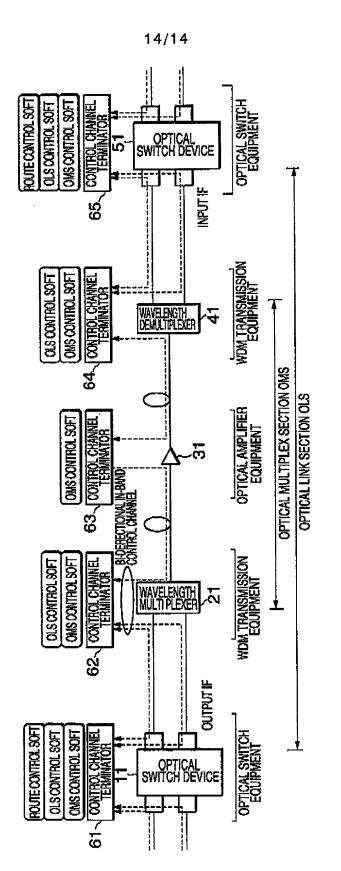


FIG. 15

